



California Regional Water Quality Control Board

Los Angeles Region

Winston H. Hickox
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Environmental
Protection

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November 6, 2002

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Brian Mossman
3855 Lakewood Boulevard
Building 1A, MCD001-0097
Long Beach, CA 90846

WORK PLAN APPROVAL – ADDENDUM TO BUILDING 2 WORK PLAN, REMEDIATION PILOT STUDY, BUILDING 2, FORMER C-6 FACILITY, BOEING REALTY CORPORATION (FILE NO. 95-036)

Dear Mr. Mossman:

We have received the “Addendum to the Building 2 In-Situ Reactive Zone Pilot Test Work Plan” (Addendum) dated July 31, 2002, prepared by Arcadis G&M (Arcadis). On May 17, 2002, the Regional Board approved the “Building 2 In-Situ Zone Pilot Test Workplan” (Workplan) dated August 15, 2001, prepared by Arcadis G&M to conduct a pilot test within the shallow groundwater in the A-Sand and B-Sand saturated zones beneath Building 2. The purpose of this Addendum is to modify the Work Plan to expand the pilot test to also include the groundwater in the deeper C-Sand saturated zone. Boeing proposes to remediate volatile organic compound (VOC)-impacted groundwater via bioremediation by injecting a solution of molasses or corn syrup to stimulate indigenous microorganisms to enhance reductive dechlorination. We have completed our review of the Addendum and approve its implementation.

Injection of a solution of molasses or corn syrup into the groundwater is a discharge of waste as defined by the California Water Code section 13260 and Boeing is required to file a Report of Waste Discharge and receive Waste Discharge Requirements prior to the injection. On January 24, 2002, the Regional Board adopted Order No. R4-2002-0030 “General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites” (General Permit) to expedite remediation. Based upon the Workplan submitted, the proposed discharge is covered under this General Permit. Boeing has already submitted its application for coverage under the General Permit and Boeing’s application is being processed. Regional Board staff anticipate that the General Permit can be issued by November 8, 2002.

Please call Mr. John Geroch at (213) 576-6737 or Dr. Rebecca Chou at (213) 576-6733 if you have any questions.

Sincerely,

Dennis A. Dickerson
Executive Officer

cc: Scott Zachary, Haley and Aldrich

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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